

ABSTRACT OF THE DISCLOSURE

1 An acoustic tracking system that uses an array of microphones to determine the
2 location of an acoustical source. Several points in space are determined to be potential
3 locations of an acoustical source. Beamforming parameters for the array of microphones are
4 determined at each potential location. The beamforming parameters are applied to the sound
5 received by the microphone array for all of the potential locations and data is gathered for
6 each beam. The most likely location is then determined by comparing the data from each
7 beam. Once the location is determined, a camera is directed toward this source.

For reference